



Almega Friendly series

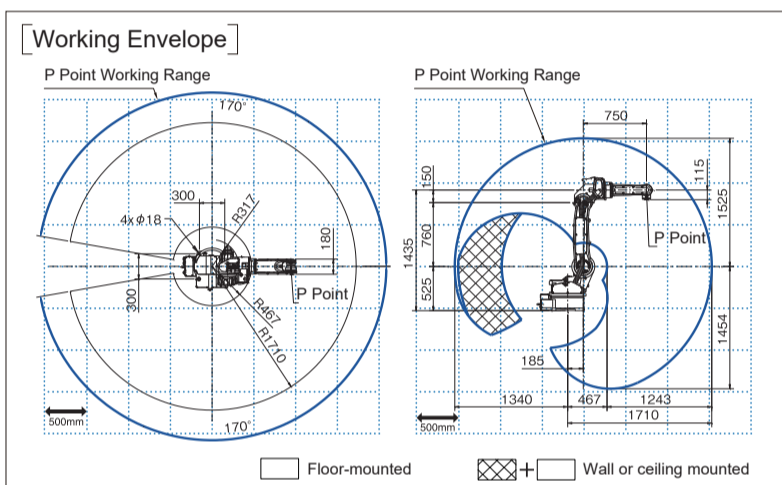
MATERIAL HANDLING ROBOT ***FD-V25***



Cables Incorporated
Load Capacity of 55.11 lb

New and improved in every way

- Faster** 15% improvement on all axes
- Stronger** Payload increased 25%
- Efficient** Incorporating cables and air hose, improve operation
- Tougher** IP 64 drip-proof, dust-proof



Specifications

		FD-V25
Item		Specifications
Structure		Vertical articulated type
Number of axes		6
Max. payload capacity		25 kg
Positional repeatability		+/-0.07mm <small>Note 1</small>
Drive system		AC Servo motor
Drive capacity		5600 W
Position feedback		Absolute encoder
Working range	Arm	Axis J1 (Rotation) +/- 170° (+/-50°) <small>Note 2</small> Axis J2 (Lower arm) -155°~ +100° Axis J3 (Upper arm) -170°~ +260°
	Wrist	Axis J4 (Swing) +/- 180° Axis J5 (Bending) -50°~ +230° Axis J6 (Twist) +/- 360°
		Max. velocity
Wrist		
	Wrist load	
		Allowable moment of inertia
Arm operation cross-sectional area 5.27 m ²		
Ambient conditions 0~45°C, 20 ~ 80%RH (No condensation)		
Mass (weight) 278 kg		
Upper arm payload capacity 10 kg (when wrist loads 25kg) <small>Note 4</small>		
Installation type Floor, ceiling or wall hanging type		
Paint color White (Munsell value 10gy9/1)		

Note 1:

The positional repeatability is pursuant to JIS B 8432 standards.

Note 2:

The values given in () apply when wall-mounted .

Note 3:

When wall mounted the working range of the J2 axis may be limited.

Note 4:

The upper arm payload capacity varies by max. payload capacity.

OTC DAIHEN Website
www.daihen-usa.com

DAIHEN ROBOT Website
www.daihen-robot.com



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